

#### **Alternative Contacts**

##### **DNVPS Technical**

Tel : +65 779 2475  
Fax : +65 779 5636  
[singapore@dnvps.com](mailto:singapore@dnvps.com)  
Charlotte Rojgaard  
Direct : +65 6887 6031  
Mobile : +65 9235 1220

##### **DNVPS London**

Tel : +44 20 7357 6080  
Fax : +44 20 7716 6736  
[London@dnvps.com](mailto:London@dnvps.com)  
John Gilligan  
Mobile : +44 7769 927474

##### **DNVPS Rotterdam**

Tel : +31 10 292 2654  
Fax : +31 10 4797 141  
[Rotterdam@dnvps.com](mailto:Rotterdam@dnvps.com)  
Dennis Pronk  
Direct : +31 10 292 2654  
Mobile : +31 610 030371

##### **DNVPS Oslo**

Tel : +47 67 57 99 00  
Fax : +47 67 57 93 93  
[dnvps.Oslo@dnv.com](mailto:dnvps.Oslo@dnv.com)  
Knut-Helge Knutsen  
Mobile : +47 97 75 35 44

##### **DNVPS Singapore**

Tel : +65 6 779 2475  
Fax : +65 6 779 5636  
[Singapore@dnvps.com](mailto:Singapore@dnvps.com)  
Md Harun Ar Rashid  
Direct : + 65 6887 6107  
Mobile : +65 92985232

##### **DNVPS Fujairah**

Tel : +971 9 222 8152  
Fax : +971 9 222 8153  
[Fujairah@dnvps.com](mailto:Fujairah@dnvps.com)  
Thomas Tampi  
Mobile : +971 50 649 2213

##### **DNVPS Houston**

Tel : +1 281 470 1030  
Fax : +1 281 470 1035  
[Houston@dnvps.com](mailto:Houston@dnvps.com)  
Hauk Larsen Wahl  
Mobile : +1 713 291 4048

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## **HIGH SEDIMENT IN LOW SULFUR FUELS OFF US GULF, USA**

DNV Petroleum Services has tested three (3) fuel oil samples representing low sulfur HFO deliveries Off US Gulf, USA, with sediment content exceeding the maximum Total Sediment Potential (TSP) of 0.10% m/m stated in the ISO 8217:2005/2010/2012 specification, Table 2 requirements.

The bunker deliveries were made by one (1) supplier in the period 20-26 April 2013, with TSP levels of 0.15% m/m and 0.16% m/m.

Ships consuming these fuels might experience increased sludge formation, particularly at the centrifuges and filters, leading to possible blockage and loss of centrifuge and filter functions. Elevated sediment levels will make optimum onboard bunker treatment more difficult to achieve.

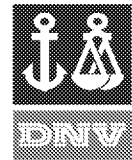
The aluminum and silicon (Al+Si) levels of the above-mentioned deliveries ranged from 45 mg/kg to 48 mg/kg as determined by ISO 10478, indicating that although within specification, the fuels contained highly abrasive particles that could cause accelerated wear of diesel engine components (e.g. piston rings, cylinder liners and fuel pumps) if not reduced to acceptable levels.

It is recommended to take samples before and after the fuel treatment plant to determine the expected fuel oil quality at the engine inlet. This will help in any subsequent assessment of increased wear and damages and may be important in resolving disputes.

This Bunker Alert does not necessarily reflect the overall fuel quality supplied Off US Gulf, USA, but if your ship recently bunkered at this port or intends to do so, please ensure the fuel quality is known before use.

The circulation of this Bunker Alert is restricted to the DNV Petroleum Services (DNVPS) distribution list only. DNVPS bunker alerts are based entirely on fuel samples analysed by DNVPS over a specified period of time and are not meant as an evaluation of overall bunker quality in the port or area concerned. While every care is taken to ensure our test results are accurate and valid, these results are dependent on the representative quality of the samples tested by DNVPS. Information communicated to the intended recipients through our bunker alerts is strictly private and confidential and shall not be reproduced and distributed in any form or format, and in any part or in its entirety. DNVPS shall not be responsible for any loss, damage or other consequences resulting from the unauthorised distribution and consumption of information in our bunker alerts.

BUNKER ALERT, REF : 10/2013  
DNV PETROLEUM SERVICES  
07/May/2013



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Tel : +65 779 2475  
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[singapore@dnvps.com](mailto:singapore@dnvps.com)  
Charlotte Røjgaard  
Direct : +65 6887 6031  
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Tel : +44 20 7357 6080  
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[London@dnvps.com](mailto:London@dnvps.com)  
John Gilligan  
Mobile : +44 7769 927474

**DNVPS Rotterdam**

Tel : +31 10 2922 600  
Fax : +31 10 4797 141  
[Rotterdam@dnvps.com](mailto:Rotterdam@dnvps.com)  
Dennis Pronk  
Direct : +31 10 292 2654  
Mobile : +31 610 030371

**DNVPS Oslo**

Tel : +47 67 57 99 00  
Fax : +47 67 57 93 93  
[dnvps.Oslo@dnv.com](mailto:dnvps.Oslo@dnv.com)  
Knut-Helge Knutsen  
Mobile : +47 97 75 35 44

**DNVPS Singapore**

Tel : +65 6 779 2475  
Fax : +65 6 779 5636  
[Singapore@dnvps.com](mailto:Singapore@dnvps.com)  
Md Harun Ar Rashid  
Direct : + 65 6887 6107  
Mobile : +65 92985232

**DNVPS Fujairah**

Tel : +971 9 222 8152  
Fax : +971 9 222 8153  
[Fujairah@dnvps.com](mailto:Fujairah@dnvps.com)  
Thomas Tampi  
Mobile : +971 50 649 2213

**DNVPS Houston**

Tel : +1 281 470 1030  
Fax : +1 281 470 1035  
[Houston@dnvps.com](mailto:Houston@dnvps.com)  
Hauk Larsen Wahl  
Mobile : +1 713 291 4048

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For more information, please visit the following link:

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(DataAccess login ID and password are required, contact [singapore@dnvps.com](mailto:singapore@dnvps.com) for assistance).

Regards,  
Charlotte Røjgaard  
Global Technical Manager

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